

[54] **CIRCUIT ARRANGEMENT FOR
CONNECTING TELEX SUBSCRIBER
STATIONS TO TELETIX SUBSCRIBER
STATIONS WHICH ARE CONNECTED TO
THE SAME DATA EXCHANGE SYSTEM**

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179/18 E, 18 C; 364/900

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,074,232 2/1978 Otomo et al. 178/3 X

FOREIGN PATENT DOCUMENTS

2912649 10/1980 Fed. Rep. of Germany .

OTHER PUBLICATIONS

Gossiau K. et al "A New Electronic Data Switching

System for Data Communication", NTZ, vol. 8, 1969,
pp. 444-463.

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[57]

ABSTRACT

A data exchange system is connected to at least one signal converter in which digital signals emitted from teletex subscriber stations are converted so that they may be processed by teletex subscriber stations, and vice-versa. In order that the load on the signal converters may be as low as possible in the event that digital signals cannot be deposited in the desired subscriber station, the data exchange system is additionally connected to at least two special teletex transmitting/receiving devices. These teletex transmitting/receiving devices can be operated by a special call signal only in the event that a teletex subscriber station or a signal converter is currently unable to deposit digital signals in the desired subscriber station. In response to such operation of the teletex transmitting/receiving devices, the latter is supplied with digital signals which cannot currently be deposited, together with additional information which enable the establishment of a connection to the desired subscriber station. Subsequently, the teletex transmitting/receiving device is able to transmit the digital signals which it has received, on the basis of the additional information, to the desired subscriber station.

2 Claims, 1 Drawing Figure

